



SHEET METAL & AIR CONDITIONING
CONTRACTORS' NATIONAL ASSOCIATION

Council of Chapter Representatives Technical Update

June 3, 2023





2024 New Releases

- ❑ HVAC Systems Duct Design Manual
- ❑ Testing, Adjusting & Balancing (TAB) Manual
- ❑ HVAC Duct Inspection Guide
- ❑ TAB Procedural Guide



2024 Upcoming Releases

- Seismic Restraint Manual – Guidelines for Mechanical Systems
- Rectangular Industrial Duct Construction Standards
- Phenolic Duct Construction Standards
- Sound & Vibration Manual



Technical Projects 2024-2025

- Kitchen Equipment Food Service & Kitchen Ventilation Manual TF
- Accepted Industry Practice for Industrial Duct Construction TF
- Architectural Wall Panels Guidelines TF
- Laser Welding Guidelines TF
- Indoor Environmental Agricultural Guidelines TF



Technical Projects 2024-2025

- Exhaust Duct Sizing Web-Based App
- Duct-U-Lator Web-Based App
- Update to all Existing Technical Apps
- Technical Videos (HVAC-DCS 1st Phase)



Model Building Codes

- April-May First Action
 - International Code Council - ICC Hearings (Mechanical Code)
 - International Association of Plumbing & Mechanical Officials – IAPMO Hearings (Mechanical Code)
- September-October Finale Action

- Updates to ASHRAE Standard 15, 15.2 34
(15 Commercial Refrigerants, 15.2 Residential Refrigerants, 34 Refrigerant Classifications)

- A2L's, 454B, R-32 Refrigerants
(454B & R-32 replacement 410A refrigerants)



Model Building Codes

- Both the IMC & UMC accepted the SMACNA HVAC Testing, Adjusting & Balancing Manual as the basis for TAB.

- UMC accepted the SMACNA System Leakage Test Standard

- Both the IMC & UMC rejected the application of Fabric Duct in a negative pressure operation.

- Type 1 Kitchen Grease Exhaust Duct Testing
 - IMC continued to Accept the light test
 - UMC rejected the continuation of the light test



Model Building Codes

- Canadian National Building Codes – June 15 Process Kicks-Off
- NFPA 96, 92, 90A & 90B in process
- ASHRAE Committees



Technical Educational Programs

- ❑ SMACNA Technical University
 - 1 Day Program – HVAC Duct Construction, Fire Dampers, Duct Leakage, Large Duct Applications
 - 2 Day Program – Rectangular/Round Industrial Duct Construction, Steel Stacks

- ❑ SMACNA Technical Staff are the Educators!

- ❑ June –December (SMACNA KC, SMACNA St. Louis, SMACNA Boston, SMACNA Portland)

- ❑ Joint SMACNA/ASHRAE/NEBB Meetings, Building Code Inspectors, AIA, etc.

- ❑ SMACNA & SMACNA Technical Staff certified for ICC, AIA, State Educational Credits



Technical Services

- SMACNA Technical Inquiry Form – SMACNA Website
- SMACNA Members have “direct access” to the SMACNA Technical Staff



Questions?